

## Project Design Phase

### Problem – Solution Fit Template

Date	10 February 2026
Team ID	LTVIP2026TMIDS87433
Project Name	Rain Prediction Pipeline Flask
Maximum Marks	2 Marks

#### Problem – Solution Fit

Problem–Solution Fit ensures that the identified problem of inaccurate and generalized rainfall forecasting is effectively addressed by a practical and user-focused technical solution. The Rain Prediction Pipeline aligns customer needs—such as accurate prediction, ease of use, and real-time results—with a machine learning–based web application that directly solves these challenges.

#### Purpose

- To address rainfall prediction challenges using a data-driven and user-centric approach.
- To improve adoption by providing a simple web interface aligned with user behavior.
- To enhance communication by clearly presenting prediction results in an understandable format.
- To build user trust through reliable and consistent prediction outputs.
- To analyze current limitations in weather forecasting systems and provide an improved predictive solution.

#### Problem–Solution fit Canvas

Rainfall Prediction Pipeline using Machine Learning and Flask



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